

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b> SAIC	<b>CONTRACT NO./TASK NO.</b> NNO06HX03C      06-613-06	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
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**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

**Mesoscale Modeling Support**

<b>APPROVALS:</b> (Type or print name and sign)			
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b> Dr. Wei-Kuo Tao	<b>DATE</b> 2/1/2006	<b>ORG CODE</b> 613	<b>MAIL CODE</b> 613.1
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b> Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	<b>DATE</b> 2/1/2006	<b>CODE</b> 613	<b>PHONE</b> 301-614-6269
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b> Dr. Joel Susskind, Senior Scientist	<b>DATE</b> 2/1/2006	<b>CODE</b> 613	<b>PHONE</b> 301-614-6367
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b> (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	<b>CONTRACTING OFFICER'S QUALITY REP.</b> N/A	<b>DESIGNATED FAM:</b> N/A	

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☒ NO ☐ YES ☐ N/A

Government Furnished Property/Facilities: ☒ NO ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES -- SEE STATEMENT OF WORK

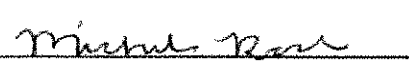

Surveillance Plan Attached: ☒ NO ☐ YES

Performance Spec Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

<b>ESTIMATED COST</b>	<b>AWARD FEE</b>	<b>TOTAL ESTIMATED COST &amp; AWARD FEE</b>
\$204,366.90	\$15,736.25	\$220,103.15

<b>AUTHORIZED SIGNATURE:</b>		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
 SIGNATURE OF CONTRACTING OFFICER	<u>1/31/06</u> DATE	Michele Rook Contracting Officer TYPED NAME OF CONTRACTING OFFICER
<b>CONTRACTOR'S ACCEPTANCE:</b>		
 AUTHORIZED SIGNATURE	<u>1/31/06</u> DATE	

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-613-06	

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:**

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Dr. Wei-Kua Tao, Code 613

Building 33 Room A408

## Task 06-613-06

Description of the work to be performed for the period of 2/1/06 through 1/31/07

### Task 6a: Regional and mesoscale modeling support

- Investigate the precipitation processes associated with various mesoscale convective systems, tropical cyclones, and hurricanes.
- Evaluate and improve the representation of cloud processes for regional, climate and global circulation models.
- Understand and quantify the cloud-aerosol forcing and its dynamical transport over tropical and midlatitude regions over local and regional scale.

One regional scale model (Weather and Research Forecast, WRF) will be used for the proposed tasks. Data collected from various field experiments and satellite missions will be used for model initialization and validation. In addition, improved microphysical schemes, explicit cloud-radiative interactive processes, land and ocean surface processes developed at Goddard will be implemented into the WRF.

*Deliverables: Working computer codes, graphical and numerical output, and documentation and/or publication of results.*

### PERFORMANCE REQUIREMENTS:

#### TECHNICAL:

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

#### SCHEDULE:

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.

Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

COST:

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b> SAIC	<b>CONTRACT NO./TASK NO.</b> NNG06HX03C    06-613-07	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
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**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

Climate Modeling Support

<b>APPROVALS:</b> (Type or print name and sign)				
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Dr. Yogesh Sud	2/1/2006	613	613.2	301-614-6240
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b>	<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Mr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	2/1/2006	613		301-614-6367
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>	<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Dr. Joel Susskind, Senior Scientist	2/1/2006	613		301-286-7210
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b> (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	N/A		N/A	

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO    ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☒ NO    ☐ YES    ☐ N/A

Government Furnished Property/Facilities: ☒ NO    ☐ YES - SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO    ☒ YES - SEE STATEMENT OF WORK

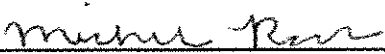
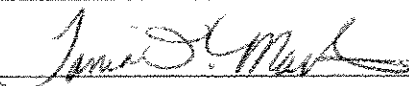
Surveillance Plan Attached: ☒ NO    ☐ YES

Performance Spec Attached: ☒ NO    ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

<u>ESTIMATED COST</u>	<u>AWARD FEE</u>	<u>TOTAL ESTIMATED COST &amp; AWARD FEE</u>
\$118,231.24	\$9,103.81	\$127,335.05

<b>AUTHORIZED SIGNATURE:</b>		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
	1/31/06	Michele Rook Contracting Officer
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER
<b>CONTRACTOR'S ACCEPTANCE:</b>		
	1/31/06	
AUTHORIZED SIGNATURE	DATE	

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-613-07	

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:**

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Yogesh Sud, Code 613

Building 33 Room C313

**Task 06-613-07: Land -atmosphere interaction simulations and projects**

ATR: Yogesh Sud

**DESCRIPTION OF WORK TO BE PERFORMED for the period of 2/1/06 – 1/31/07**

The contractor shall support land-atmosphere interaction simulations and projects within the Laboratory for Atmospheres, including the following activities:

- i) Improve cloud microphysics of McRAS using ARM-CART datasets in SCMs.
- ii) Implement and evaluate McRAS with cloud-aerosol microphysics into the GEOS5 GCM
- iii) Development of a parameterization for the ice phase of the cloud-aerosol indirect effect.
- iv) Evaluate the benefit of these improvements and additions in the GMAO GEOS5 AGCM

**TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS:**

All subtasks will provide software/algorithm documents and user guides in conformance with GMAO guidelines as appropriate. Monthly progress reports will be provided.

**PERFORMANCE REQUIREMENTS:**

**TECHNICAL:**

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

**SCHEDULE:**

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.

Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

COST:

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

TRAVEL: One domestic trip per year



**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b> SAIC	<b>CONTRACT NO./TASK NO.</b> NNG06HX03C	<b>TASK NO.</b> 06-613-08	<b>AMENDMENT</b> Rev 1	<b>JOB ORDER NUMBER</b>	<b>APPROPRIATE</b>
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**TASK TITLE:** (NTE 80 characters; include project name)

**Sounder Research Team and Data Impact Modeling Team**

**Lab for Atmospheres Editorial Support**

**APPROVALS:** (Type or print name and sign)

**ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)**

Dr. Richard Stewart

DATE

ORG  
CODE  
613

MAIL  
CODE  
613

PHONE

301-614-6045

**BRANCH HEAD and/or DEPARTMENT HEAD**

Dr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres

DATE

CODE

613

PHONE

301-614-6367

**CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)**

Dr. Joel Susskind, Senior Scientist

DATE

CODE

613

PHONE

301-286-7210

**FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE**

(IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)

**CONTRACTING OFFICER'S QUALITY REP.**

**DESIGNATED FAM:**

☒ NO ☐ YES

N/A

N/A

Contractor will develop specification or statement of work under this task for a future procurement.

☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery.

☒ NO

☐ YES

☐ N/A

Government Furnished Property/Facilities:

☐ NO

☒ YES -- SHARED GOVT PROP(onsite)/GFP(off site) FACILITIES (onsite only)

Onsite Performance:

☐ NO

☒ YES -- SEE STATEMENT OF WORK

Surveillance Plan Attached:

☒ NO

☐ YES

Performance Spec Attached:

☒ NO

☐ YES

Highlighted Contract Clauses:

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

**ESTIMATED  
COST**

\$31,356.28

**AWARD  
FEE**

\$2,414.43

**TOTAL ESTIMATED  
COST & AWARD FEE**

\$33,770.71

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

*Sharon M. Collignon*

11/28/06

SHARON M. COLLIGNON  
CONTRACTING OFFICER

SIGNATURE OF CONTRACTING OFFICER

DATE

TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

*Joel Susskind*

11-16-06

AUTHORIZED SIGNATURE

DATE

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-613-08	Rev 1

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:** None

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Richard Stewart, 613

Building 33 Room C128

**Task 06-614-05-rev1: Support to the Hydrological Sciences Branch**  
**ATR: David Toll, Code 614.3**

Period of performance: February 1, 2006 -- January 31, 2007

Any WWW development in this task should comply with Section 1194.22 (Web-based Intranet and Internet Information and Applications) of the EIT Accessibility Standards

Task 5a. Land Data Assimilation Systems (LDAS)

- Develop the framework for testing land models and land data assimilation offline at continental to global scales, specifically the Mosaic LSM and the Common Land Model.
- Perform work to evaluate LDAS for initializing NOAA NCEP weather forecast models.
- Develop observational forcing data for the offline land models (precipitation, snow and land characterization parameters)
- Maintain and develop an internet distribution site for the offline land model data, parameters, and forcing data
- Provide software/algorithm documents and user guides in conformance with DAO guidelines as appropriate.

Task 5b. Computing and systems support for LDAS and related computing platforms

- Provide Linux support, including the installation, upgrade, and maintenance, of the operating system and system utility software.
- Install and configure peripheral hardware such as disk drives, tape backup systems, and printers.
- Maintain computer security for LDAS and related platforms
- Establish and implement procedures for data backup and archiving.
- Evaluate new hardware and software for the purpose of making recommendations on future LDAS computing strategies.
- Provide server support for email and web page services.

Task 5c. Water Management Consulting and Web Site

- a. The contractor shall provide consulting services to include the following:
  - Help coordinate the implementation of NASA products in to federal agency decision support tools for water management applications.
  - Support NASA water management activities with an emphasis on international issues and with the USDA
- b. The contractor shall create a website for the Water Management Program. The website will be directed primarily at scientific colleagues, with a secondary goal to educate the general

## STATEMENT OF WORK

NAS5-00167, Task No. 02-9103-08

3

October 1, 2002 - September 30, 2003

public about NASA's role in water management. The website will provide information about the operation of the Water Management Program, and the status of projects funded by the Water Management Program. The website will archive mandatory report filings, meetings schedules, and copies of presentations. The contractor shall write other documentation about the Water Management Program as needed. Specific contents of the web page will include:

- Water Management Program top web page
- Web sub-pages for aspects of the Water Management Program
- Regularly updated report filings:

### Task 5d. Microwave Satellite Observation Support

The contractor shall support the analysis and use of microwave satellite observations in meteorological forecasting. Programs are needed to derive monthly global ocean rain rates from SSM/I and TMI satellite data; to derive snow products from SSM/I and AMSR data; and to update MODIS programs for global snow cover and sea ice.

In addition, with a focus on glacier studies in national parks in Alaska, the contractor shall:

- Measure glaciers in Kenai Fjords and Katmai National Parks using Landsat images from different years with image processing and GIS techniques.
- Perform image-processing to support the MODIS snow and ice project.
- Perform additional image processing or programming support as needed.

### Task 5e. Management and Engineering Document Support

The contractor shall provide Project Management, Software Engineering Document Support and IT Support for research areas within the GSFC Land Information System (LIS) project (<http://lis.gsfc.nasa.gov>). Specific tasks may include any of the following, as needed by the Project Scientist:

- Maintenance of Microsoft Project schedules and provision of up-to-date Gantt charts as needed; e.g., for quarterly reports, interim reviews and annual reports;
- Review of IT resources and recommendations for additions/upgrades, particularly in the areas of collaborative workflow and data and document management.
- Development and review of software engineering documents, including Software Engineering Plans, User Manuals, Developers' Guides, and Test Plans;
- Review of project budgets, and delivery of monthly budget status reports;
- Designing and drafting Evaluation, Verification and Validation and Benchmarking reports as required by NASA HQ;
- Publication of the documents to websites/repositories for each project; and
- Other project-related duties as needed.

Task 5f. Land Information System (LIS) Development and Support

The contractor shall contribute to the development of radiative transfer modules for operation in the Land Information System (LIS). The NASA-GSFC LIS is a flexible, modular framework that incorporates multiple land surface models and related tools in a parallelized, high-performance computing environment for interaction and coupling with atmospheric modeling systems (e.g. MM5, WRF). A major focus of current work includes the development of data assimilation algorithms for specific state variables in, and remote observations of, the land-atmosphere system, and will be followed by generalization of those methods to other, user-selected system variables. The goal for this year is to begin developing techniques and models for the interpretation, assimilation and validation of satellite radiance datasets for surface and atmospheric observations from various NASA, NOAA, Department of Defense and international partner missions.

In addition to adding the above significant technical capabilities to LIS, the contractor shall, in cooperation with personnel at the Joint Center for Satellite Data Assimilation (JCSDA), and using the JCSDA Test Bed computer at NCEP, begin to develop the ability to couple LIS through the ESMF to the NCEP GFS/GDAS.

**TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS:**

Task 5a. WWW distribution of LDAS data and forecasts

Task 5b. System upgrades, hardware/software installations, web site updates, and the setup and execution of microwave data experiments as requested by the ATR.

Task 5c. Periodic evaluations, technical reviews, project planning reports, postings on the web site as required.

Task 5d. Images and software as needed by the project scientist.

Task 5e. Budget and manpower reports, documentation, and project plans as needed by the project scientist or NASA HQ.

All subtasks: Monthly status reports

**PERFORMANCE REQUIREMENTS:**

TECHNICAL:

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

SCHEDULE:

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.

Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

COST:

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

TRAVEL: NTE ~\$7,000.00

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**NASA/GODDARD SPACE FLIGHT CENTER**

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROV. FY</b>
SAIC	TASK NO. AMENDMENT NNG06HX03C 06-613-08		

**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

**Lab for Atmospheres Editorial Support**

<b>APPROVALS:</b> (Type or print name and sign)				
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Dr. Richard Stewart	2/1/2006	613	613	301-614-6045
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b>	<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	2/1/2006	613		301-614-6367
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>	<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Dr. Joel Susskind, Senior Scientist	2/1/2006	613		301-286-7210
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b> (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
[X] NO [ ] YES	N/A		N/A	

Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [X] NO [ ] YES [ ] N/A

Government Furnished Property/Facilities: [X] NO [ ] YES - SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [ ] NO [X] YES - SEE STATEMENT OF WORK

Surveillance Plan Attached: [X] NO [ ] YES

Performance Spec Attached: [X] NO [ ] YES

Highlighted Contract Clauses:

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

<b>ESTIMATED COST</b>	<b>AWARD FEE</b>	<b>TOTAL ESTIMATED COST &amp; AWARD FEE</b>
\$53,048.20	\$4,084.71	\$57,132.91

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

	1/31/06	<b>Michele Rook</b> Contracting Officer
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

	1/31/06
AUTHORIZED SIGNATURE	DATE

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-613-08	

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:**

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Richard Stewart, 613

Building 33 Room C128



Task 06-613-08:

Laboratory for Atmospheres, Technical Editing, Graphics Support, and Web Site Consultation

ATR: Richard Stewart

Description of the work to be performed for period of 2/1/2006 through 1/31/2007

The Contractor will provide technical editing services for the production of Laboratory for Atmospheres reports, technical and graphics support for the creation of presentations, and support to develop and maintain the Web site and ~~Intranet~~.

*Revision in Progress 9/25/06*  
*WLL*  
**Task 8a:** The Contractor will provide support to the Laboratory for Atmospheres in the proofreading, technical editing, and formatting of the printed and Web versions of the Code 613 Annual Report. The Contractor shall gather and coordinate information for future annual reports.

**Task 8b:** The Contractor will provide technical editing support to the Laboratory for Atmospheres for other reports, as needed.

**Task 8c:** The Contractor will provide technical support in the creation of Laboratory for Atmospheres presentations and graphics, as needed.

The Contractor will deliver monthly progress reports plus material listed above.

**PERFORMANCE STANDARDS:**

**TECHNICAL:**

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

**SCHEDULE:**

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.

Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

**COST:**

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

Amended

TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

# REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROPRIATE
SAIC	TASK NO. AMENDMENT NNG06HX03C 06-614-09 Rev 1		

TASK TITLE: (NTE 80 characters; include project name) Sounder Research Team and Data Impact Modeling Team

Hydrospheric & Biospheric Sciences Lab Sysadmin Support

APPROVALS: (Type of print name and sign)			
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE PHONE
Dr. Rosa Kao		614	614 301-614-5673
BRANCH HEAD and/or DEPARTMENT HEAD	DATE	CODE	PHONE
Mr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	11/20/06	613	301-614-6367
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE
Dr. Joel Susskind, Senior Scientist	11/13/06	613	301-286-7210
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:
[X] NO [ ] YES	N/A		N/A

Contractor will develop specification or statement of work under this task for a future procurement.		[X] NO [ ] YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.		[X] NO [ ] YES [ ] N/A
Government Furnished Property/Facilities:	[ ] NO [X] YES - SHARED INSTALLATION GOVT PROP / FACILITIES (onsite only)	
Onsite Performance:	[ ] NO [X] YES - SEE STATEMENT OF WORK	
Surveillance Plan Attached:	[X] NO [ ] YES	
Performance Spec Attached:	[X] NO [ ] YES	
Highlighted Contract Clauses:		

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

ESTIMATED COST	AWARD FEE	TOTAL ESTIMATED COST & AWARD FEE
\$114,566.15	\$8,821.59	\$123,387.74

AUTHORIZED SIGNATURE:		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
Signature of Contracting Officer	DATE	TYPED NAME OF CONTRACTING OFFICER
Sharon Collignon	11/28/06	SHARON M. COLLIGNON
CONTRACTOR'S ACCEPTANCE:		
Signature	DATE	
Labins	11-16-06	

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-613-09	Rev 1

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:** NTE \$2,000

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Rosa Kao Code 614

Building 33 Room A121

**Task 06-614-09-rev1:**

**SYSTEMS ADMINISTRATION SUPPORT FOR THE HYDROSPHERIC AND  
BIOSPHERIC SCIENCES LABORATORY**

**ATR: Dr. Rosa Kao, Code 614**

**Description of the work to be performed for the period of 2/1/2006 through  
1/31/2007**

This task will provide overall systems administration support for all computers, peripherals and networked devices used by the Hydrospheric Computing Facilities (HCF) and users in the Hydrospheric and Biospheric Sciences Laboratory. This task will also provide system administration support to the Laboratory's education and outreach activities as needed.

The Contractor will provide systems management and routine system operations, backups, system installation/integration/upgrades, system configuration testing and documentation, user accounts and disk quota assignments, system security measures and documentation, networking administration, and problem resolution. Routine operation requires the systems be available during normal working hours. Backups will be automated as much as possible. The contractor will perform or work closely with vendors to quickly resolve issues that are covered under system maintenance and maintain maximum availability of all computational resources required by the facilities and users. The Contractor will provide procurement support for upgrades (or technical refreshment) by researching the capabilities and costs of current technologies, gathering quotations from vendors, and present findings to the ATR and users concerning computer platforms, peripherals and software.

The contractor will also provide system administration support, as needed, to the Laboratory's education and outreach activities such as the GSFC "Science on a Sphere" display at the Goddard Visitor Center.

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b> SAIC	<b>CONTRACT NO./TASK NO.</b> NNG06HX03C	<b>TASK NO. AMENDMENT</b> 06-614-09	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
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**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

**Hydrospheric & Biospheric Sciences Lab Sysadmin Support**

<b>APPROVALS:</b> (Type or print name and sign)				
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>		<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>
Dr. Rosa Kao		2/1/2006	614	614
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b>		<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
Mr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres		2/1/2006	613	301-614-6367
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>		<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
Dr. Joel Susskind, Senior Scientist		2/1/2006	613	301-286-7210
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b> (IF YES, NEED CODE 301 CONCURRENCE NEXT BLOCK)	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	N/A		N/A	

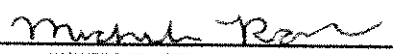
Contractor will develop specification or statement of work under this task for a future procurement.		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A
Government Furnished Property/Facilities: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)		
Onsite Performance: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES -- SEE STATEMENT OF WORK		
Surveillance Plan Attached: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
Performance Spec Attached: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
Highlighted Contract Clauses:		

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:


<u>ESTIMATED COST</u>	<u>AWARD FEE</u>	<u>TOTAL ESTIMATED COST &amp; AWARD FEE</u>
\$104,712.94	\$8,062.90	\$112,775.84

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

	1/31/06	Michele Rook Contracting Officer
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

	1/31/06
AUTHORIZED SIGNATURE	DATE

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-613-09	

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:**

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Rosa Kao Code 614

Building 33 Room A121

**Task 06-614-09: SYSTEMS ADMINISTRATION SUPPORT FOR THE  
LABORATORY FOR HYDROSPHERIC PROCESSES COMPUTING  
FACILITIES**

**ATR: Dr. Rosa C. Kao**

Period of performance: February 1, 2006 – January 31, 2007

Any WWW development in this task should comply with Section 1194.22 (Web-based Intranet and Internet Information and Applications) of the EIT Accessibility Standards

This task will provide overall systems administration support for all computers, peripherals and networked devices used by the Hydrospheric Computing Facilities (HCF) and users in the Hydrospheric and Biospheric Sciences Laboratory.

The Contractor will provide systems management and routine system operations, backups. System installation/integration/upgrades, system configuration testing and documentation, user accounts and disk quota assignments, system security measures and documentation, networking administration, and problem resolution. Routine operation requires the systems be available during normal working hours. Backups will be automated as much as possible. The contractor will perform or work closely with vendors to quickly resolve issues that are covered under system maintenance and maintain maximum availability of all computational resources required by the facilities and users. The Contractor will provide procurement support for upgrades (or technical refreshment) by researching the capabilities and costs of current technologies, gathering quotations from vendors, and present findings to the ATR and users concerning computer platforms, peripherals and software.

**TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS:**

The contractor will deliver monthly status reports, **components of IT security plans compliant with the FISMA requirements**, plus any items listed above

**PERFORMANCE REQUIREMENTS:**

**TECHNICAL:**

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.



Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

**SCHEDULE:**

**Minimum:** Meets technical target for deliverables within expected completion date 80% of the time.

**Target:** Meets technical target for deliverables within within expected completion date 90% of the time.

**Maximum:** Meets technical target for deliverables within expected completion date 100% of the time.

**COST:**

**Minimum:** Cost overruns are no more than 5% of the estimate cost.

**Target:** Meets target cost, target technical and target schedule performance standards described above.

**Maximum:** Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

**TRAVEL:** Not to exceed \$2,000.

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
SAIC	TASK NO. AMENDMENT NNG06HX03C 06-614-10		

**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

Ice Sheet Glaciology with Remote Sensing

<b>APPROVALS:</b> (Type or print name and sign)				
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Dr. Bob Bindschied <i>[Signature]</i>	2/1/2006	614	614	301-614-5707
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b>	<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Charles E. Cote, Assoc Chief, Laboratory for Atmospheres <i>[Signature]</i> 1/30/06	2/1/2006	613		301-614-6367
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>	<b>DATE</b>	<b>CODE</b>		<b>PHONE</b>
Dr. Joel Susskind, Senior Scientist <i>[Signature]</i>	2/1/2006	613		301-286-7210
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b>	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)				
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	N/A		N/A	

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☒ NO ☐ YES ☐ N/A

Government Furnished Property/Facilities: ☒ NO ☐ YES - SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES - SEE STATEMENT OF WORK

Surveillance Plan Attached: ☒ NO ☐ YES

Performance Spec Attached: ☒ NO ☐ YES

Highlighted Contract Clauses:

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

<b>ESTIMATED COST</b>	<b>AWARD FEE</b>	<b>TOTAL ESTIMATED COST &amp; AWARD FEE</b>
\$202,074.44	\$15,559.73	\$217,634.17

<b>AUTHORIZED SIGNATURE:</b>		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
<i>[Signature]</i>	1/31/06	Michele Rook Contracting Officer
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER
<b>CONTRACTOR'S ACCEPTANCE:</b>		
<i>[Signature]</i>	1/31/06	
AUTHORIZED SIGNATURE	DATE	

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-614-10	

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:**

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Bob Bindschadler Code 614

Building 33 Room A112

## **Task 06-614-10: Ice Sheet Glaciology with Remote Sensing**

### **Statement of Work**

**DESCRIPTION OF WORK TO BE PERFORMED** for the period of 2/1/06 through 1/31/07

***Task 10a: Develop algorithms to extract glaciologically significant parameters from remote sensing data of ice sheets.***

- Data to include optical and radar imagery of varying resolution, altimetric and passive microwave data and assorted airborne and field data including GPS.
- Extracted parameters to include velocity and elevation, ice thickness and basal friction.
- Algorithms will be based on sound theoretical approaches, validated by field data and documented by publication of peer-reviewed articles in professional journals.
- Occasionally work will include the presentation of results to colleagues.

***Task 10b: Apply remote sensing data to support investigations led by other agencies.***

- Tasks such as route-finding for the safe conduct of NSF-supported field studies will require the identification, display and study of a variety of remotely sensed imagery of the ice sheet surface.
- Features such as crevasses, sastrugi, and megadunes will be mapped and provided to field teams prior to deployment.
- Knowledge of base imagery will be provided to USGS in the construction of a Landsat-7 mosaic map of Antarctica.

***Task 10c: System administration of research computers and workstations.***

- Maintain PC's, Mac's and SGI workstations with up-to-date security patches and ensure that agency and Center IT security requirements are met.
- Install supplied software upgrades on appropriate research computers.
- Keep apprised on ongoing IT maintenance agreements.

### **TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS:**

Task 10a: Stated work will most often result in contributions to presentations to scientific colleagues either as oral presentations at scientific meetings, or publications in peer-reviewed professional journals.

Task 10b: Printed and digital data including maps will be delivered to field teams prior to deployment.

Task 10c: Maintain necessary documentation on computing resources to ensure uninterrupted service.

### **PERFORMANCE/MILESTONE SCHEDULE:**

Task 10a: 50% completion in the first 6 months in the contract year.

Task 10b: 50% completion in the first 6 months in the contract year.

Task 10c: 50% completion in the first 6 months in the contract year.

#### **QUALITY ASSURANCE REQUIREMENTS:**

##### **TECHNICAL:**

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

##### **SCHEDULE:**

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.

Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

##### **COST:**

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

#### **TRAVEL, MATERIALS, ETC., KNOWN TO BE REQUIRED:**

Annual 3-day trip to Sterling, VA to attend West Antarctic workshop in the fall of each year.

*Kase Kao - taking over*

TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
SAIC	TASK NO. AMENDMENT NNG06HX03C 06-614-11		

TASK TITLE: (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

Scientific Outreach/Public Communicator/Education Support

APPROVALS: (Type or print name and sign)				
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Dr. James Ormsby <i>[Signature]</i> 1/30/06	2/1/2006	614	614	301-614-5683
BRANCH HEAD and/or DEPARTMENT HEAD	DATE	CODE		PHONE
Mr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	2/1/2006	613		301-614-6367
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE		PHONE
Dr. Joel Susskind, Senior Scientist <i>[Signature]</i>	2/1/2006	613		301-286-7210
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE (If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	N/A		N/A	

Contractor will develop specification or statement of work under this task for a future procurement.	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A
Government Furnished Property/Facilities:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES - SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)
Onsite Performance:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES - SEE STATEMENT OF WORK
Surveillance Plan Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Performance Spec Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Highlighted Contract Clauses:	

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

<b>ESTIMATED COST</b>	<b>AWARD FEE</b>	<b>TOTAL ESTIMATED COST &amp; AWARD FEE</b>
\$90,047.12	\$6,933.63	\$96,980.75

<b>AUTHORIZED SIGNATURE:</b>		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
<i>[Signature]</i> SIGNATURE OF CONTRACTING OFFICER	1/31/06 DATE	Michele Rook Contracting Officer TYPED NAME OF CONTRACTING OFFICER
<b>CONTRACTOR'S ACCEPTANCE:</b>		
<i>[Signature]</i> AUTHORIZED SIGNATURE	1/31/06 DATE	

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	06-614-11	

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:**

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

James Ormsby Code 614

Building 33 Room A119

**Task 06-614-11: Scientific Outreach/Public Communicator/Education Support**

**ATR: Dr. James P. Ormsby, Code 614.0**

**PERIOD OF PERFORMANCE:** February 1, 2006 – January 31, 2007

Any WWW development in this task should comply with Section 1194.22 (Web-based Intranet and Internet Information and Applications) of the EIT Accessibility Standards

**WORK TO BE PERFORMED:**

Education activities shall consist of developing an education plan for the Hydrospheric and Biospheric Sciences Laboratory; assisting scientists in the preparation of appropriate material for the education section of new proposals; and formulating and preparing education material for inclusion into the Laboratory and Division (Earth-Sun Exploration) web pages. The Contractor would prepare and report education performance metrics; provide educator training, consisting of presentations at education conferences and workshops; and serve as the Laboratory liaison to the Earth-Sun Exploration Division's education, outreach, and public relations effort. This involves assisting the Division education staff in the formulation of Division-wide plans, objectives, and goals as they relate to the Earth System Science mandates. The Contractor, with other Laboratories and the Earth-Sun Exploration Division, will develop and foster partnerships with external and internal education groups, e.g. Maryland science teacher programs, Goddards Education Office, University Programs, and Minority Programs to help place students, teachers, and researchers with suitable mentors.

In addition, the Contractor would serve as the Laboratory public liaison for flight, field, and research projects; help compile and organize an information data base of who has what, who does what, who knows what; and who is an effective public communicator.

**TASK DOCUMENTATION REQUIREMENTS/DELIVERABLE ITEMS:**

Deliverables not stated above will be developed jointly with SAIC and the ATR during the task period. Monthly status reports will be provided.

**PERFORMANCE REQUIREMENTS:**

**TECHNICAL:**

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.



Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

SCHEDULE:

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.

Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

COST:

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

TRAVEL:

NTE \$1,968

TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL				
NASA/GODDARD SPACE FLIGHT CENTER				
REQUEST FOR TASK PLAN / TASK ORDER				
SAIG	TASK NO.	AMENDMENT		
	NNQ06HX03C	06-581-12	Rev 1	
TASK TITLE: (NTE 60 characters; include project name) <b>Sounder Research Team and Data Impact Modeling Team</b>				
Scientific Outreach/Public Communicator/Educative Support				
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)				
Dr. Matt Schwaller	DATE	OPS CODE	MAIL CODE	PHONE
<i>M. Schwaller</i> 12/1/06	2/1/2006	581	420.2	301-614-5382
BRANCH HEAD and/or DEPARTMENT HEAD				
Dr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	DATE	CODE	PHONE	
	2/1/2006	613	301-614-6367	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)				
Dr. Joel Suskind, Senior Scientist	DATE	CODE	PHONE	
	2/1/2006	613	301-286-7210	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE		CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED PAM:
IF YES, RECD CODE AND CONCURRENCE NEXT BLOCK		N/A		N/A
[X] NO [ ] YES				
Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES				
Flight hardware will be shipped to GSFC for testing prior to final delivery. [X] NO [ ] YES [ ] N/A				
Government Furnished Property/Facilities: [X] NO [ ] YES - SEE LIST OF GFF (office only) Shared Prop/ FACILITIES (on-site only)				
Onsite Performance: [ ] NO [X] YES - SEE STATEMENT OF WORK				
Surveillance Plan Attached: [X] NO [ ] YES				
Performance Spec Attached: [X] NO [ ] YES				
Highlighted Contract Clauses:				
The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:				
<b>ESTIMATED COST</b>	<b>AWARD FEE</b>	<b>TOTAL ESTIMATED COST &amp; AWARD FEE</b>		
\$194,434.75	\$14,971.48	\$209,406.23		
THE TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"				
<i>Sharon Collignon</i>		12/5/06		SHARON M. COLLIGNON
SIGNATURE OF CONTRACTING OFFICER		DATE		TYPED NAME OF CONTRACTING OFFICER
CONTRACTING OFFICER'S SIGNATURE				
<i>R. Collins</i>		12-09-06		
AUTHORIZED SIGNATURE		DATE		

TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL

NAVY GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

SAIC	NNG06HX03C	TASK NO.	AMENDMENT
		06-581-12	Rev 1
<b>STATEMENT OF WORK:</b>  See Attached			
<b>PERFORMANCE STANDARDS:</b> See Attached			
<b>TRAVEL SCHEDULE:</b> NTE \$3,915			
<b>APPLICABLE DOCUMENTS:</b> See Attached			
<b>GOVERNMENT FURNISHED FACILITIES:</b> The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.			
<b>TASK PERIOD OF PERFORMANCE:</b> February 1, 2006 through January 31, 2007			
<b>MILESTONES/DELIVERABLES AND DATES:</b> See SOW attached			
<b>FINAL DELIVERY DESTINATION</b> Matt Schwallier, Code 551      Building 16 Room 140			

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## **TASK 06-581-12**

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### **STATEMENT OF WORK - - GPM GV Systems Engineering**

**DESCRIPTION OF THE WORK TO BE PERFORMED FOR THE PERIOD OF 2/1/06 through 1/31/07**

This SOW defines the support requirements for the Global Precipitation Measuring Mission (GPM) Ground Validation Segment (GVS). The Contractor shall:

1. Assist in the development of a prototype for statistical cross-validation of coincident ground and space-based radar observations using TRMM Precipitation Radar (PR) attenuation-corrected reflectivity data and ground-based WSR-88D radar reflectivity.
2. Provide systems engineering expertise as necessary in the definition and development of the GPM GVS by assisting with the development of a GVS Functional and Performance Specification, GVS Operations Concept, and other documents as necessary and directed by the COTR.
3. Provide systems engineering expertise as necessary in the definition and development of GPM GVS schedules, cost estimates, trade studies, testing and verification plans, or other tasks as necessary and directed by the COTR.
4. Provide analysis of existing science data systems at GSFC and elsewhere that may serve as models for the GPM GVS.

The Contractor shall provide monthly status reports. The Contractor shall support GPM meetings as directed. To complete these tasks, the Contractor shall travel as necessary and as approved by the COTR.

### **PERFORMANCE REQUIREMENTS:**

#### **TECHNICAL:**

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

#### **SCHEDULE:**

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.

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Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

COST:

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b> SAIC	<b>CONTRACT NO./TASK NO.</b> NNG06HX03C	<b>TASK NO. AMENDMENT</b> 06-581-12	<b>JOB ORDER NUMBER</b>	<b>APPROP. FY</b>
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**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

Scientific Outreach/Public Communicator/Education Support

**APPROVALS:** (Type or print name and sign)

<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b> Dr. Matt Schwallier	<b>DATE</b> 2/1/2006	<b>ORG CODE</b> 581	<b>MAIL CODE</b> 420.2	<b>PHONE</b> 301-614-5382
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b> Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	<b>DATE</b> 2/1/2006	<b>CODE</b> 613	<b>PHONE</b> 301-614-6367	
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b> Dr. Joel Susskind, Senior Scientist	<b>DATE</b> 2/1/2006	<b>CODE</b> 613	<b>PHONE</b> 301-286-7210	
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b> (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	<b>CONTRACTING OFFICER'S QUALITY REP.</b> N/A		<b>DESIGNATED FAM:</b> N/A	
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				

Contractor will develop specification or statement of work under this task for a future procurement.		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A
Government Furnished Property/Facilities: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)		
Onsite Performance: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES -- SEE STATEMENT OF WORK		
Surveillance Plan Attached: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
Performance Spec Attached: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		
Highlighted Contract Clauses:		

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:


<b>ESTIMATED COST</b>	<b>AWARD FEE</b>	<b>TOTAL ESTIMATED COST &amp; AWARD FEE</b>
\$240,086.63	\$18,486.67	\$258,573.30

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

	1/31/06	<b>Michele Rook</b> Contracting Officer
<b>SIGNATURE OF CONTRACTING OFFICER</b>	<b>DATE</b>	<b>TYPED NAME OF CONTRACTING OFFICER</b>

**CONTRACTOR'S ACCEPTANCE:**

	1/31/06
<b>AUTHORIZED SIGNATURE</b>	<b>DATE</b>

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

**REQUEST FOR TASK PLAN / TASK ORDER**

**CONTRACTOR**

**CONTRACT NO./TASK NO.**

**TASK NO.**

**AMENDMENT**

SAIC

NNG06HX03C

06-581-12

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:** NTE \$3,915

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2006 through January 31, 2007

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Matt Schwallier, Code 581

Building 16 Room 140

## **TASK 06-581-12**

### **STATEMENT OF WORK - - GPM GV Systems Engineering**

**DESCRIPTION OF THE WORK TO BE PERFORMED FOR THE PERIOD OF 2/1/06 through 1/31/07**

This SOW defines the support requirements for the Global Precipitation Measuring Mission (GPM) Ground Validation Segment (GVS). The Contractor shall:

1. Assist in the development of a prototype for statistical cross-validation of coincident ground and space-based radar observations using TRMM Precipitation Radar (PR) attenuation-corrected reflectivity data and ground-based WSR-88D radar reflectivity.
2. Provide systems engineering expertise as necessary in the definition and development of the GPM GVS by assisting with the development of a GVS Functional and Performance Specification, GVS Operations Concept, and other documents as necessary and directed by the COTR.
3. Provide systems engineering expertise as necessary in the definition and development of GPM GVS schedules, cost estimates, trade studies, testing and verification plans, or other tasks as necessary and directed by the COTR.
4. Provide analysis of existing science data systems at GSFC and elsewhere that may serve as models for the GPM GVS.

The Contractor shall provide monthly status reports. The Contractor shall support GPM meetings as directed. To complete these tasks, the Contractor shall travel as necessary and as approved by the COTR.

### **PERFORMANCE REQUIREMENTS:**

#### **TECHNICAL:**

Minimum: 90% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Target: 95% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

Maximum: 100% of deliverable items are completed technically correct, and reports are submitted in clear concise formats.

#### **SCHEDULE:**

Minimum: Meets technical target for deliverables within 1 week of expected completion 75% of the time.



Target: Meets technical target for deliverables within 3 days of expected completion 90% of the time.

Maximum: Meets technical target for deliverables within expected completion date 100% of the time.

COST:

Minimum: Cost overruns are no more than 5% of the estimate cost.

Target: Meets target cost, target technical and target schedule performance standards described above.

Maximum: Cost underruns are at least 5% of the estimated cost in meeting the target technical and target schedule performance standards described above.

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

<b>CONTRACTOR</b> Science Applications International Corp.	<b>CONTRACT NO. / TASK NO.</b> NNG06 TASK NO. 07-613-01	<b>AMENDMENT</b>	<b>JOB ORDER NUMBER</b>	<b>APPROVAL</b>
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**TASK TITLE:** (NTE 80 characters; include project name)

**Sounder Research Team and Data Impact and Modeling Teams**

<b>APPROVALS:</b> (Type of approval and signature)					
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>		<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Dr. Joel Susskind		2/1/2007	613	613.5	301-286-7210
<b>BRANCH HEAD</b>		<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Mr. Charles E. Cole, Assoc. Chief - Laboratory for Atmospheres		3/12/07	613	301.614.6367	
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>		<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Dr. Joel Susskind		2/1/2007	613	301-286-7210	
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b> (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>		
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	N/A		N/A		

Contractor will develop specification or statement of work under this task for a future procurement.		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.		<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> N/A
Government Furnished Property/Facilities:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES - SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)	
Onsite Performance:	<input type="checkbox"/> NO <input checked="" type="checkbox"/> YES - SEE STATEMENT OF WORK	
Surveillance Plan Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
Performance Spec Attached:	<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	
Highlighted Contract Clauses: (to be completed by Contracting Officer)		

The purpose of this task order revision is to extend the period of performance and increase the CPAF amount.

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following revised CPAF:

<u>ESTIMATED COST</u>	<u>AWARD COST</u>	<u>TOTAL ESTIMATED COST &amp; AWARD FEE</u>
\$606,530.15	46,702.82	\$653,232.97

Steven T. Kramer  
Contracting Officer

**AUTHORIZED SIGNATURE:**

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

SIGNATURE OF CONTRACTING OFFICER

2/23/07  
DATE

Steven T. Kramer  
TYPED NAME OF CONTRACTING OFFICER

**CONTRACTOR'S ACCEPTANCE:**

AUTHORIZED SIGNATURE

DATE

Ivana Rajevac Larkins  
Sr. Contracts Rep.

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

**CONTRACTOR**

Science Applications International

Corp.

**CONTRACT NO./TASK NO.**

**TASK NO.**

**AMENDMENT**

07-613-01

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:**

See Attached

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2007 through January 31, 2008

**MILESTONES/DELIVERABLES AND DATES:** See Attached.

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

J. Susskind, Building 22 Room 140

# TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR <b>SAIC</b>	CONTRACT NO./TASK NO. NNG06HX03C 07-613-02	JOB ORDER NUMBER	APPROVAL
TASK TITLE: (NTE 80 characters; include project name) Sounder Research Team and Data Impact Modeling Team			

Systems Administration Support to SRT and DMT

APPROVALS: (Type or print name and sign)					
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)		DATE	ORG CODE	MAIL CODE	PHONE
Dr. Joel Susskind		2/1/2007	613	613.5	301-286-7210
BRANCH HEAD and/or DEPARTMENT HEAD		DATE	CODE	PHONE	
Dr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres		3/12/07	613	301-614-6367	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)		DATE	CODE	PHONE	
Dr. Joel Susskind, Senior Scientist		2/1/2007	613	301-286-7210	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE		CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
[X] NO [ ] YES		N/A		N/A	

Contractor will develop specification or statement of work under this task for a future procurement.		[X] NO [ ] YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.		[X] NO [ ] YES
Government Furnished Property/Facilities:		[X] NO [ ] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)
Onsite Performance:		[ ] NO [X] YES -- SEE STATEMENT OF WORK
Surveillance Plan Attached:		[X] NO [ ] YES
Performance Spec Attached:		[X] NO [ ] YES
Highlighted Contract Clauses:		(to be completed by Contracting Officer)

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

ESTIMATED COST	AWARD FEE	TOTAL ESTIMATED COST & AWARD FEE
\$45,621.94	\$3,512.89	\$49,134.83

### AUTHORIZED SIGNATURE

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

*Steven T. Kramer*  
SIGNATURE OF CONTRACTING OFFICER

2/23/07  
DATE

Steven T. Kramer  
Contracting Officer

TYPED NAME OF CONTRACTING OFFICER

### CONTRACTOR'S ACCEPTANCE

*Ivana Pejovic Larkins*  
AUTHORIZED SIGNATURE

2-20-07  
DATE

Ivana Pejovic Larkins  
Sr. Contracts Rep

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR

CONTRACT NO. TASK NO.

TASK NO.

AMENDMENT

SAIC

NNG06HX03C

07-613-02

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:** See Attached

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2007 through January 31, 2008

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):**

J. Susskind, Building 22 Room 140

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

**NASA/GODDARD SPACE FLIGHT CENTER**

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b>	<b>CONTRACT NO./TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROVAL</b>
SAIC	TASK NO. AMENDMENT NNG06HX03C 07-613-03		

**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

**Observing System Experiment (OSE) and Observing System Simulation Experiment (OSSE) Support**

<b>APPROVALS:</b> (Print or print name and sign)				
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>		<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>
Dr. Joel Susskind		2/1/2007	613	613.5
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b>		<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
Mr. Charles E. Cote, Assoc. Chief, Laboratory for Atmospheres		3/12/07 2/1/2007	613	301-614-6367
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>		<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>
Dr. Joel Susskind, Senior Scientist		2/1/2007	613	301-286-7210
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b>		<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>
IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK		N/A		N/A
<input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				

Contractor will develop specification or statement of work under this task for a future procurement. ☒ NO ☐ YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. ☒ NO ☐ YES ☐ N/A

Government Furnished Property/Facilities: ☒ NO ☐ YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: ☐ NO ☒ YES -- SEE STATEMENT OF WORK

Surveillance Plan Attached: ☒ NO ☐ YES

Performance Spec Attached: ☒ NO ☐ YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

**ESTIMATED  
COST**


\$159,145.45

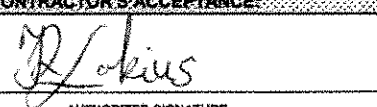
**AWARD  
FEE**

\$12,254.20

**TOTAL ESTIMATED  
COST & AWARD FEE**

\$171,399.65

<b>AUTHORIZED SIGNATURE:</b>		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
	2/23/07	Steven T. Kramer Contracting Officer
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER

<b>CONTRACTOR'S ACCEPTANCE:</b>		
	2-20-07	Ivana Rojevac Larkins Sr. Contracts Rep.
AUTHORIZED SIGNATURE	DATE	

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR

CONTRACT NO/TASK NO

TASK NO.

AMENDMENT

SAIC

NNG06HX03C

07-613-03

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:** See Attached

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2007 through January 31, 2008

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Joel Susskind, Code 613

Building 22 Room 140

Received: 3/21/08 12:07PM;  
MAR 21 2008 13:13 FR

SAIC; Page 2

TO 917578274858

P.02/23

TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL				
NASA/GODDARD SPACE FLIGHT CENTER				
REQUEST FOR TASK PLAN / TASK ORDER				
SAIC	TASK NO.	AMENDMENT		
NNG06HX03C	07-610-04	REV.2		
TASK TITLE: (NTE 80 characters; include project name) Sounder Research Team and Data Impact Modeling Team				
Ocean Surface Wind Assimilation Support (REASON CAN)				
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Dr. Mike Seabloom	2/29/2008	610	610.3	301-286-8580
BRANCH HEAD AND/OR DEPARTMENT HEAD	DATE	CODE		PHONE
Dr. James Irons, Assoc Chief, Laboratory for Atmospheres	03/21/08 2/29/2008	613		301-614-6657
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE		PHONE
Dr. Joel Sussekind, Senior Scientist	2/29/2008	613		301-286-7210
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
IF YES, NEED CODE 303 CONFORMANCE NEXT BLOCK	N/A		N/A	
(X) NO ( ) YES				
Contractor will develop specification or statement of work under this task for a future procurement. (X) NO ( ) YES				
Flight hardware will be shipped to GSFC for testing prior to final delivery. (X) NO ( ) YES ( ) N/A				
Government Furnished Property/Facilities: (X) NO ( ) YES - SEE LIST OF GFP (offsite only) / Shared Prop/FACILITIES (onsite only)				
Onsite Performance: ( ) NO (X) YES - SEE STATEMENT OF WORK				
Surveillance Plan Attached: (X) NO ( ) YES				
Performance Spec Attached: (X) NO ( ) YES				
Highlighted Contract Clauses: (to be completed by Contracting Officer)				
The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:				
ESTIMATED COST	AWARD FEE	TOTAL ESTIMATED COST & AWARD FEE		
\$318,637.00	\$24,535.00	\$343,172.00		
AUTHORIZED SIGNATURE:		NIPA N. SHAH		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		CONTRACTING OFFICER		
SIGNATURE OF CONTRACTING OFFICER		TYPED NAME OF CONTRACTING OFFICER		
CONTRACTOR'S ACCEPTANCE:				
AUTHORIZED SIGNATURE		DATE		
Carla A Coombs		03-21-08		
		Sr. Contracts Representative		



**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR

CONTRACT NO./TASK NO.

TASK NO.

AMENDMENT

SAIC

NNG06HX03C

07-610-04

Rev. 2

### STATEMENT OF WORK:

See Attached

PERFORMANCE STANDARDS: See Attached

### TRAVEL SCHEDULE:

See Attached

### APPLICABLE DOCUMENTS:

See Attached

### GOVERNMENT FURNISHED FACILITIES:

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

TASK PERIOD OF PERFORMANCE: February 1, 2007 through January 31, 2008

MILESTONES/DELIVERABLES AND DATES: See SOW attached

### FINAL DELIVERY DESTINATION

Mike Seablom - Code 610

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR OR SAIC	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROVAL
	TASK NO. AMENDMENT NNG06HX03C 07-610-04 Rev. 1		

TASK TITLE: (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**

Ocean Surface Wind Assimilation Support (REASON CAN)

APPROVALS (Type in print name and sign)				
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)	DATE	ORG CODE	MAIL CODE	PHONE
Dr. Mike Seablom	5/7/2007	610	610.3	301-286-8580
BRANCH HEAD and/or DEPARTMENT HEAD	DATE	CODE	PHONE	
Dr. William k. Lau, Chief, Laboratory for Atmospheres	5/7/2007	613	301-614-6332	
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)	DATE	CODE	PHONE	
Dr. Joel Susskind, Senior Scientist	5/7/2007	613	301-286-7210	
FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.		DESIGNATED FAM:	
[X] NO [ ] YES	N/A		N/A	

Contractor will develop specification or statement of work under this task for a future procurement.	[X] NO [ ] YES
Flight hardware will be shipped to GSFC for testing prior to final delivery.	[X] NO [ ] YES [ ] N/A
Government Furnished Property/Facilities:	[x] NO [ ] YES -- SEE LIST OF GFP (offsite only) / Shared Prop/FACILITIES (onsite only)
Onsite Performance:	[ ] NO [X] YES -- SEE STATEMENT OF WORK
Surveillance Plan Attached:	[X] NO [ ] YES
Performance Spec Attached:	[X] NO [ ] YES
Highlighted Contract Clauses:	(to be completed by Contracting Officer)

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

ESTIMATED COST	AWARD FEE	TOTAL ESTIMATED COST & AWARD FEE
\$252,158.22	\$19,416.18	\$271,574.40

AUTHORIZED SIGNATURE:	
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"	
 SIGNATURE OF CONTRACTING OFFICER	7/13/07 DATE
Steven T. Kramer Contracting Officer	
CONTRACTOR'S ACCEPTANCE:	
Carla A Coombs, Sr Contracts Rep  AUTHORIZED SIGNATURE	6/4/07 DATE

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

**REQUEST FOR TASK PLAN / TASK ORDER**

CONTRACTOR	CONTRACT NO./TASK NO.	TASK NO.	AMENDMENT
SAIC	NNG06HX03C	07-610-04	Rev. 1

**STATEMENT OF WORK:**

See Attached

**PERFORMANCE STANDARDS:** See Attached

**TRAVEL SCHEDULE:** See Attached

**APPLICABLE DOCUMENTS:**

See Attached

**GOVERNMENT FURNISHED FACILITIES:**

The Government shall provide on-site facilities to house Full-Time Equivalent (FTE) contractor employees.

**TASK PERIOD OF PERFORMANCE:** February 1, 2007 through January 31, 2008

**MILESTONES/DELIVERABLES AND DATES:** See SOW attached

**FINAL DELIVERY DESTINATION**

Mike Seabloom, Code 610

Building 28 Room W135A

**TECHNICAL WORK MAY NOT BEGIN PRIOR TO C.O. APPROVAL**

NASA/GODDARD SPACE FLIGHT CENTER

## REQUEST FOR TASK PLAN / TASK ORDER

<b>CONTRACTOR</b>	<b>CONTRACT NO. TASK NO.</b>	<b>JOB ORDER NUMBER</b>	<b>APPROVAL #</b>
SAIC	TASK NO. AMENDMENT NNG06HX03C 07-610-04		

**TASK TITLE:** (NTE 80 characters; include project name) **Sounder Research Team and Data Impact Modeling Team**  
**Ocean Surface Wind Assimilation Support (REASON CAN)**

<b>APPROVALS:</b> (Type or print name and sign)				
<b>ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)</b>	<b>DATE</b>	<b>ORG CODE</b>	<b>MAIL CODE</b>	<b>PHONE</b>
Dr. Mike Seabloom	2/1/2007	610	610.3	301-286-8580
<b>BRANCH HEAD and/or DEPARTMENT HEAD</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Mr. Charles E. Cote, Assoc Chief, Laboratory for Atmospheres	3/12/07 2/1/2007	613	301-614-6367	
<b>CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)</b>	<b>DATE</b>	<b>CODE</b>	<b>PHONE</b>	
Dr. Joel Susskind, Senior Scientist	2/1/2007	613	301-286-7210	
<b>FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE</b>	<b>CONTRACTING OFFICER'S QUALITY REP.</b>		<b>DESIGNATED FAM:</b>	
(If YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	N/A		N/A	
[X] NO [ ] YES				

Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [X] NO [ ] YES [ ] N/A

Government Furnished Property/Facilities: [X] NO [ ] YES -- SEE LIST OF GFP (offsite only) / Shared Prop/FACILITIES (onsite only)

Onsite Performance: [ ] NO [X] YES -- SEE STATEMENT OF WORK



Surveillance Plan Attached: [X] NO [ ] YES

Performance Spec Attached: [X] NO [ ] YES

Highlighted Contract Clauses: (to be completed by Contracting Officer)

The Contractor shall perform in accordance with the attached Statement of Work for this Task at the following CPAF amount:

<b>ESTIMATED COST</b>	<b>AWARD FEE</b>	<b>TOTAL ESTIMATED COST &amp; AWARD FEE</b>
\$172,204.14	\$13,259.72	\$185,463.86

<b>AUTHORIZED SIGNATURE:</b>		
THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"		
	2/23/07	Steven T. Kramer Contracting Officer
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER
<b>CONTRACTOR'S ACCEPTANCE:</b>		
	2-20-07	Ivana Rajewac Larkins Sr. Contracts Rep
AUTHORIZED SIGNATURE	DATE	

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07-610-04

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See Attached

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